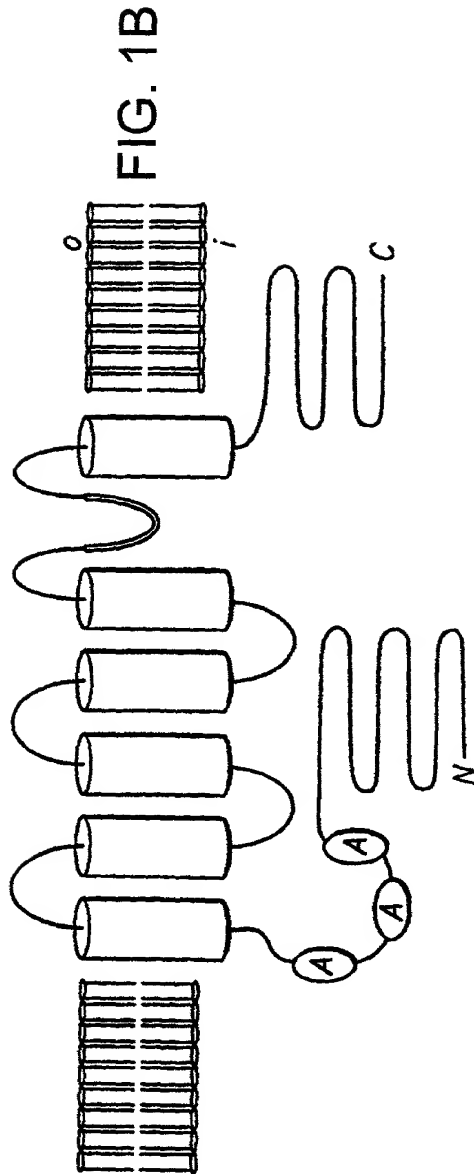


MEQRASLDSESESPPEQENSCLDPPDRDPNCKPPPVKPHIFTTRSR 46
TRLFCKGDSSEASPLDCPYEEGGLASCPIITVSSVLTIQRPDGPAS 93
VRPSSQDSVSAGEKPPRLYDRRSIFDAVAQSNQCQELSLPFLQRSK 140
KRLTDSSEFKDPEITGKTCCLKAMNLHNGQNDTIALLLDVARKTDSLK 187
QFVNASYTDSYYKGGQTALHIAIERRNMTLLVLLVENGADVQAAANGD 234
FFKKTGKRPGFYFGELPLSLAACTNQLAIVKFLQNSWQPADISARD 281
SVGNTVLHALVEVADNTVDNTKFTVTSMYNEILILGAKLHPTLKLEEIT 329
NRKGLTPLALAASSGKIGVLAYILQREIHEPECRHL SRKFTIEWAYGCP 376
VHSSLYDLSCIDTCEKNSVLEVIAYSSSETPNRHDMLLVEPLNRLLQ 423
DKWDRFVKRIFYYFNFFVYCLYMIIFTAAAYYRPPVEGLPPYKLNKNTVG 470
DYFRVTGEILSVSGGVYFFFRGIIQYFLQRRPSLSKSLFVD SYSEILFFV 518
QSLFMLVSVVLYFSQRKEYVASMV FSLAMGWNTNMLYYTRGFGQMG I 564
YAVMI EKMI LRDLCRFMFVYLVFLFGFSTAVVITLIEDGKNNSLPMEST 612
PHKCRGSACKP GNSYNSLSYSTCLELFFKFTIGMG DLEFTENYD FKA V F 659
IILLAYVILTYYILLNMLIALMGE TVNKIAQESKNIWKLQRAITILDTE 709
KSFLKCMRKA FRSGKLLQVGF TPDGKDDYRWCFRVDENVNWT T WNT 754
NNGI INEDPGNCEGVKRTLSFSLRSGRVSGRNWKNFALVPLLRDAST 801
RDRHATQQEEVQLKH YTGSLKPEDAEVFKDSMVPG EK SEQ ID NO: 2 838

FIG. 1A

**FIG. 1C**

rat VR1	636	ELFKFTIGMGDL	EFTEHYDFKA	VFILLL	AYVILT	670
human T12251		ELFKFTIGMGEL	AFQEQLHFRC	MVLLLL	AYVLLT	
Caliphora z80230		SLFWASFG	VSFDLAGIKS	FWALL	MFGSYSVIN	
Drosophila TRP		SLFWASFG	VSFDLAGIKS	FWALL	MFGSYSVIN	
Bovine x99792		SLFWASFG	VSFDLAGIKS	FWALL	MFGSYSVIN	
C. Elegans z72508		RTFIMTIGESVLYRE	MSACDNF	WMKWK	LVIFVET	
rat VR1	671	YILLNMLIALMGETV	NKIAQESKN	IWKLR	AITIL	14)
human T12251		YILLNMLIALMSE	TVNSVA	TTD		15)
Caliphora z80230		IVVLLNMLIAMMS	NSYQII	ISER	ADVEWKF	16)
Drosophila TRP		IVVLLNMLIAMMS	NSYQII	ISER	ADTEWKF	17)
Bovine x99792		LVVLLNMLIAMMS	NSYQII	ISER	ADTEWKF	18)
C. Elegans z72508		SILLQFNLLIAMMT	RTIYETI	IFL		19)

capsaicin 1 μ M

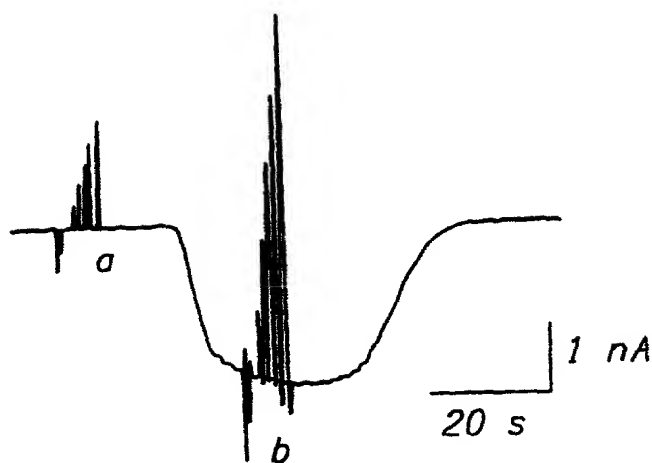


FIG. 2

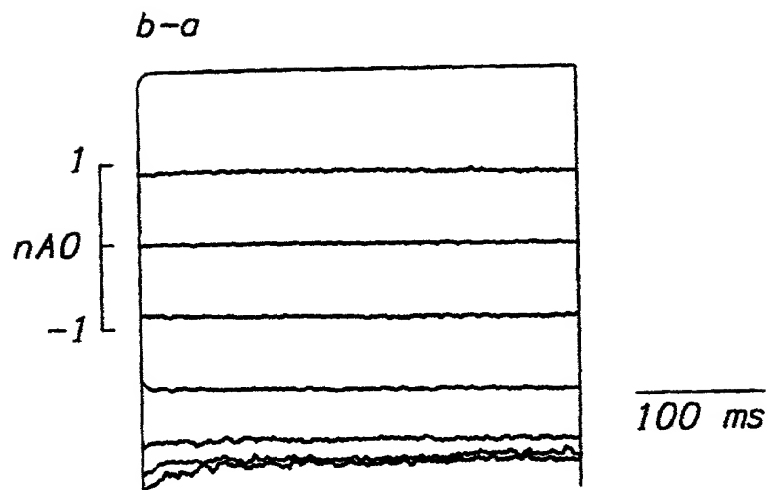


FIG. 3

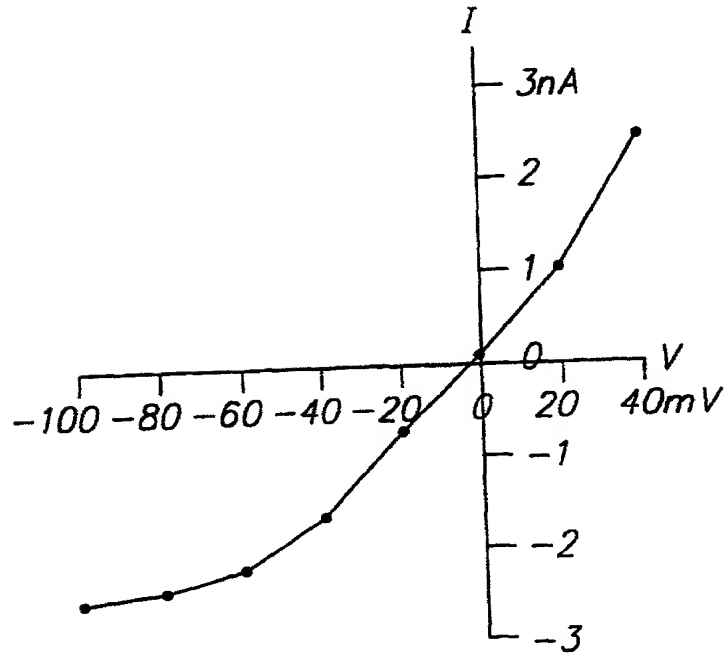


FIG. 4

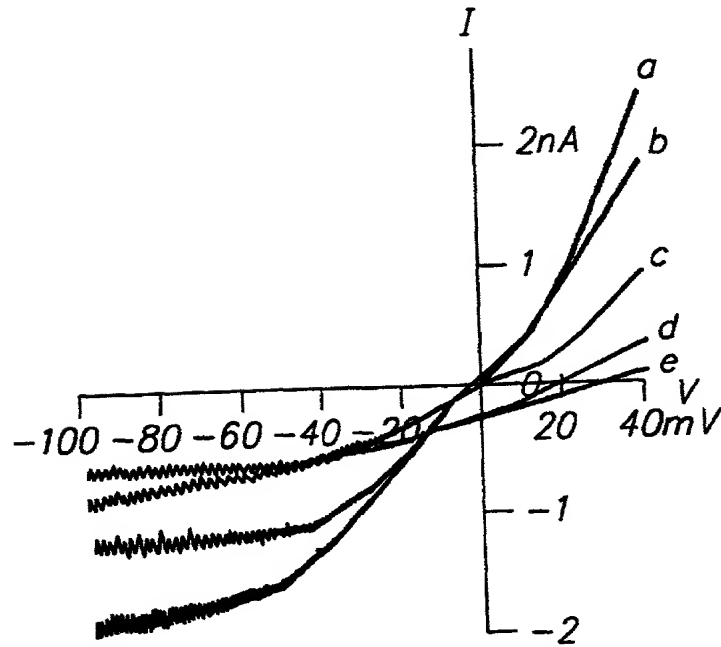


FIG. 5

FOIA b 7 - E.O. 13526

capsaicin 1 μ M

Ca(-)

FIG. 6A

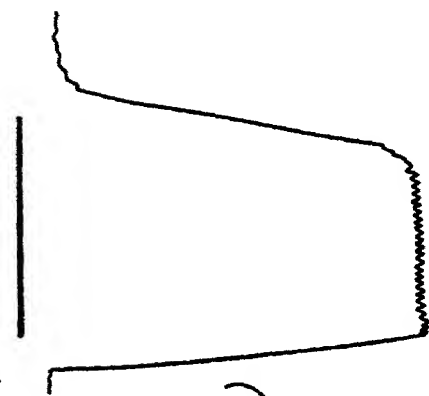


FIG. 6B

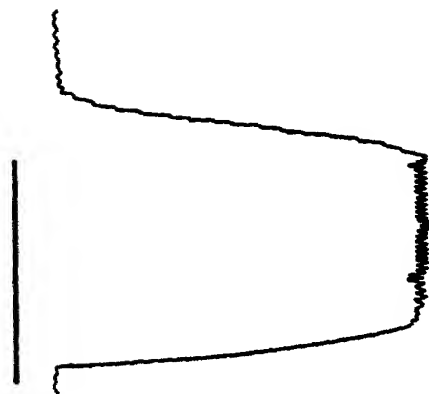


FIG. 6C

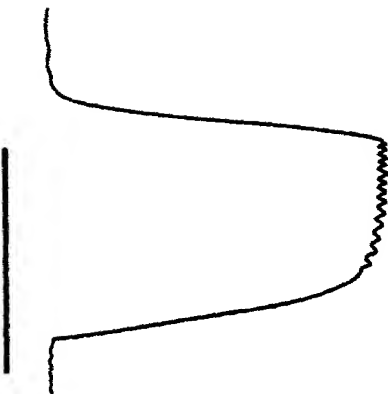


FIG. 6D

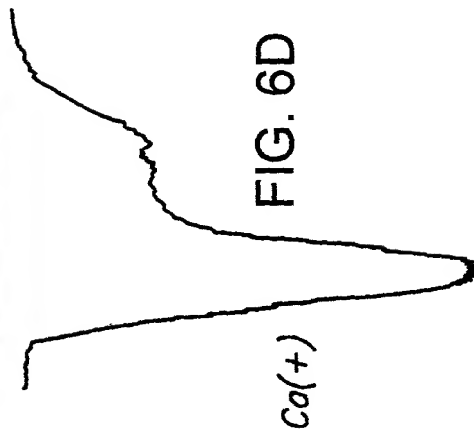


FIG. 6E

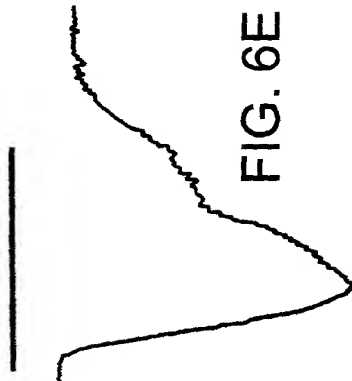


FIG. 6F



1 nA
10 s

FOOTNOTES

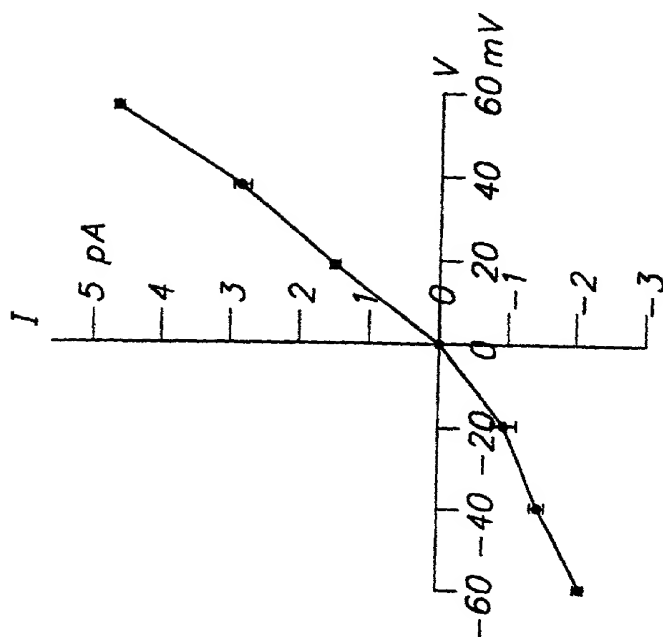


FIG. 8

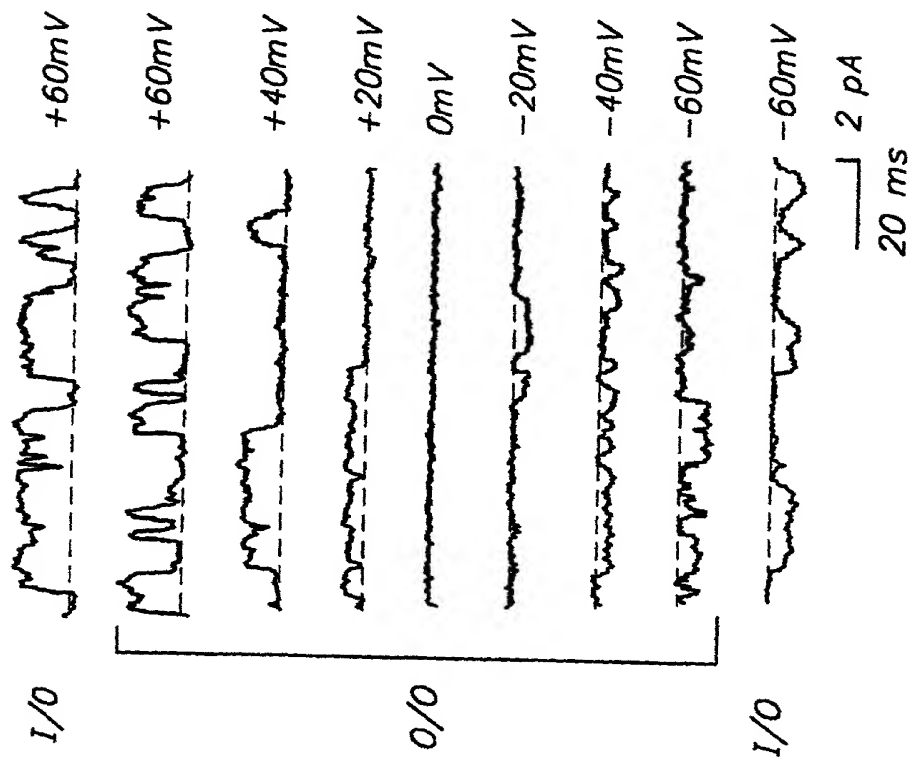


FIG. 7

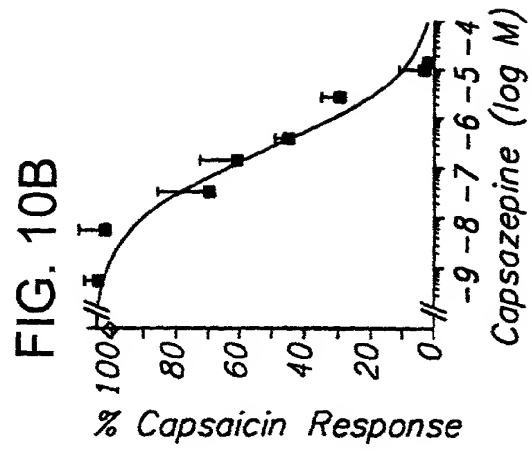
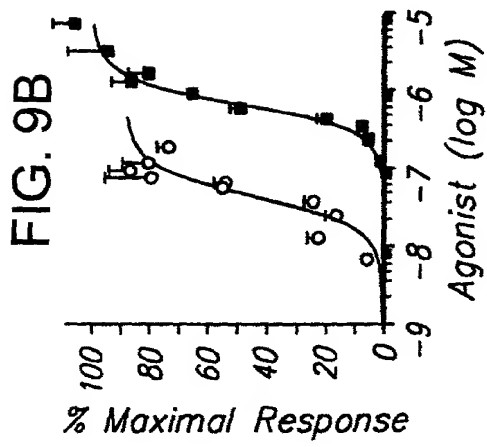
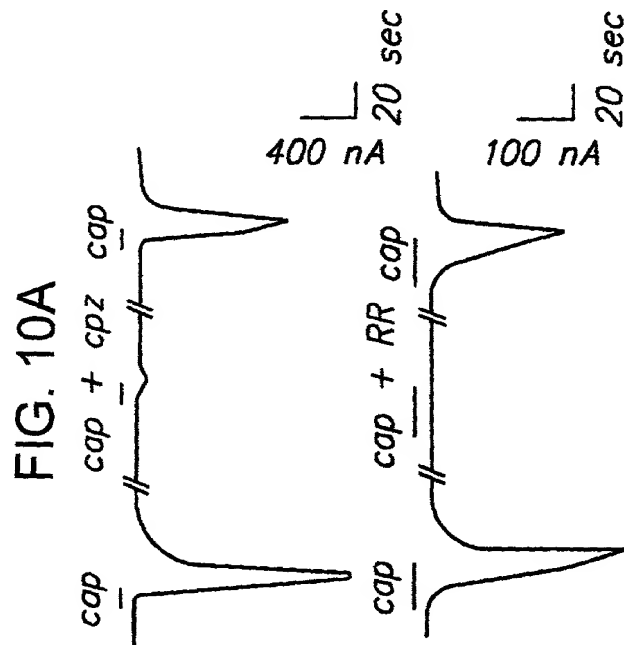
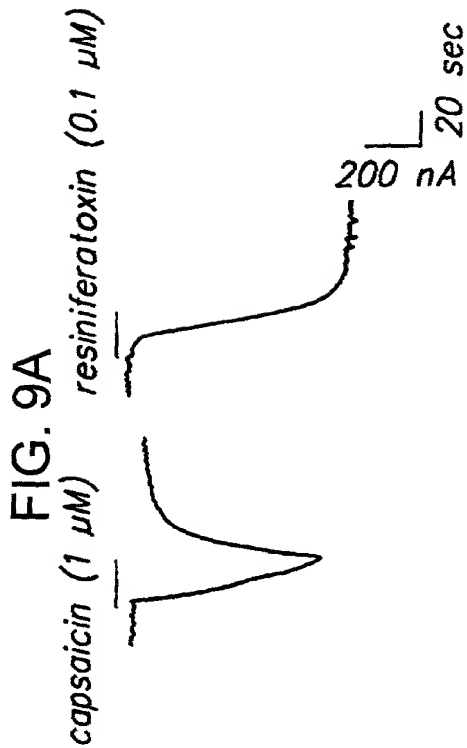
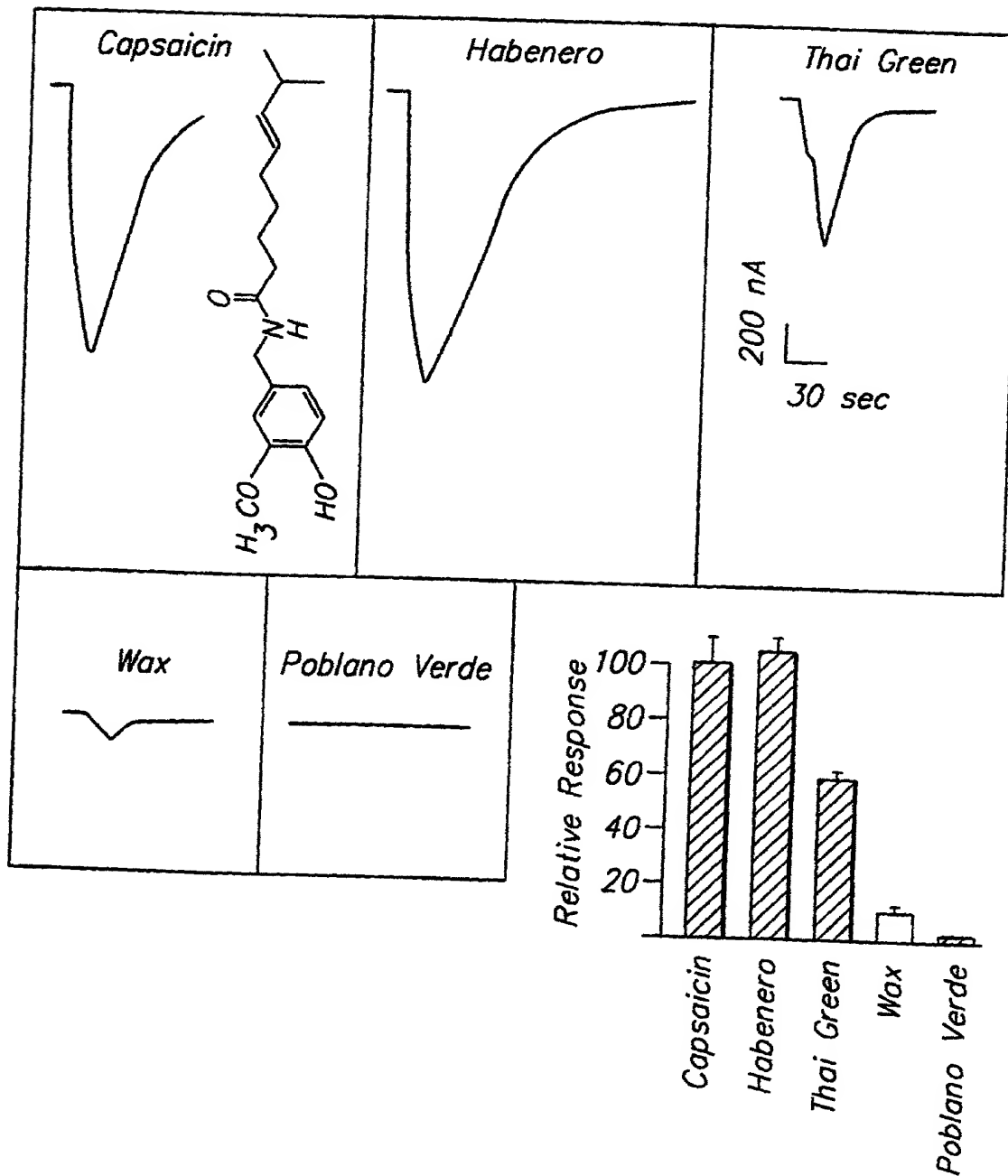


FIG. 11



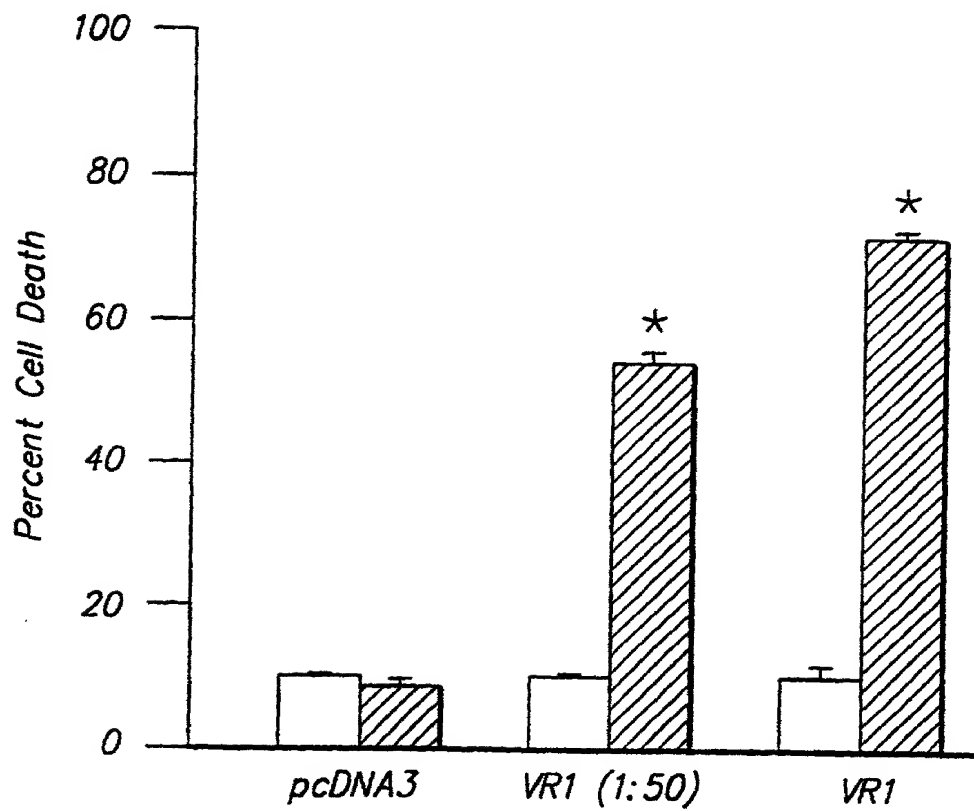


FIG. 12

FIG. 13

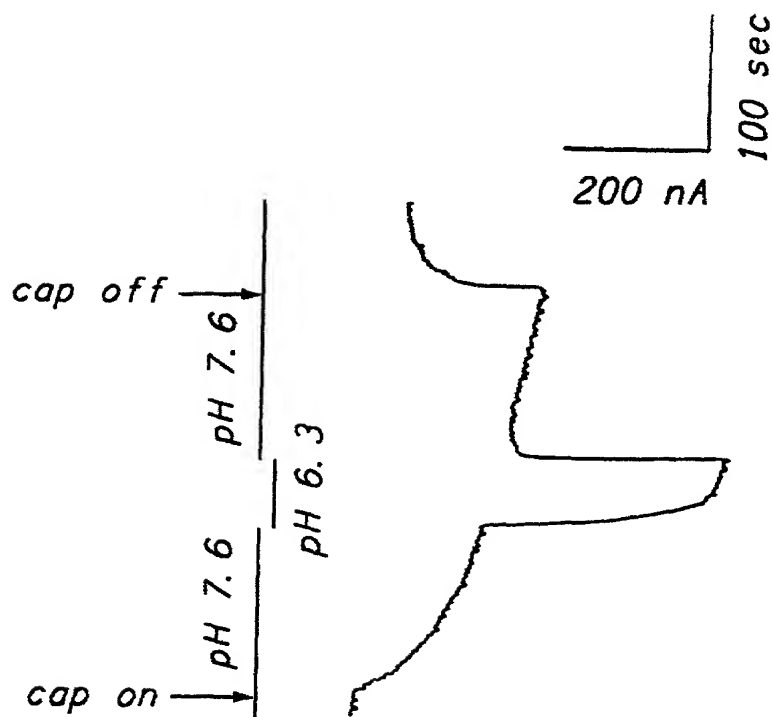
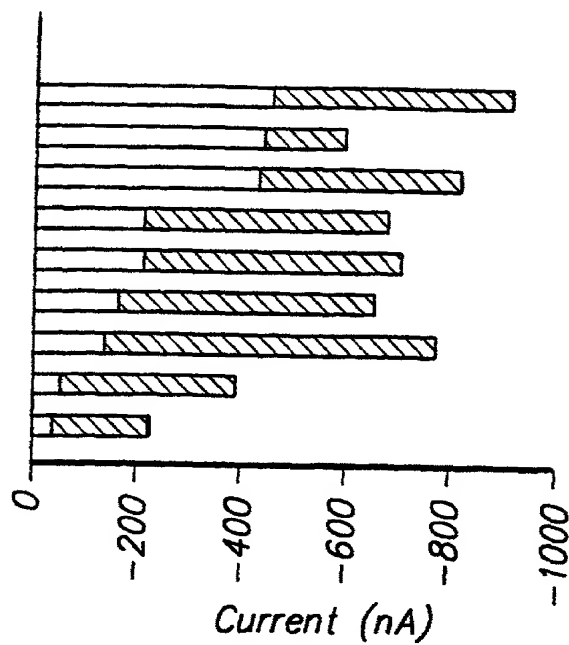


FIG. 14



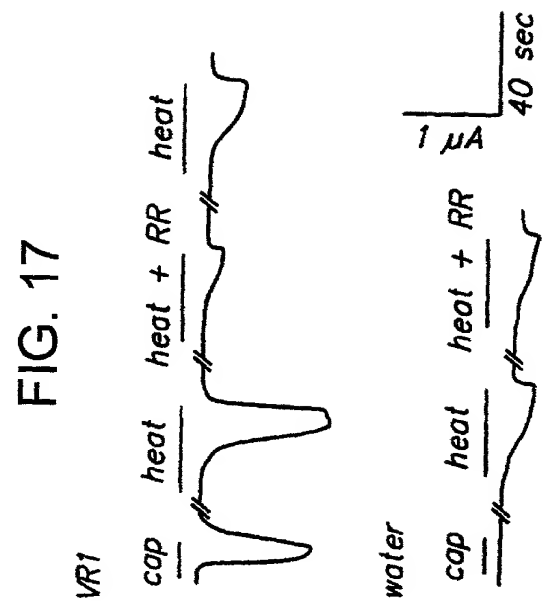
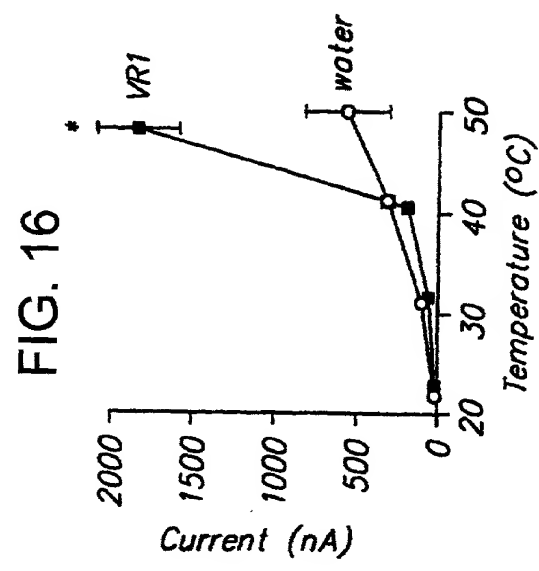
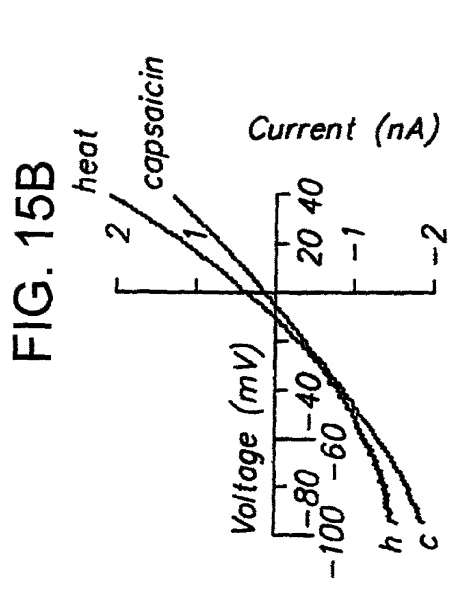
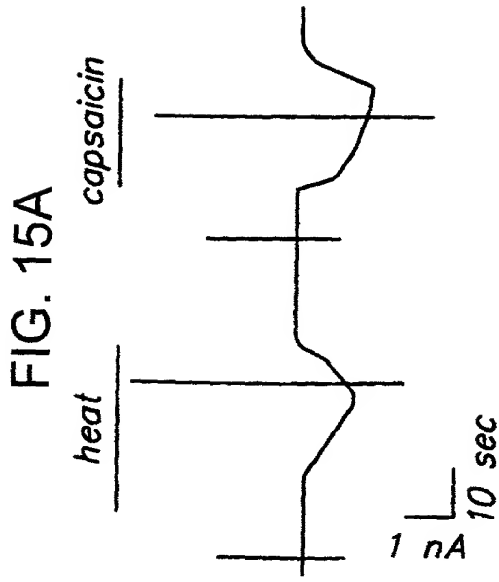


Diagram illustrating the structure of a protein, showing two regions (Region 1 and Region 2) separated by a dashed line. The protein is labeled with NH₂ (amino terminus) and COOH (carboxyl terminus). The labels are oriented vertically along the protein structure.

Labels and regions shown:

- Region 1** (left side)
- Region 2** (right side)
- COOH Rat VR1** (top right)
- COOH Human EST AA321554** (middle right)
- Rat VR2** (bottom right)